

PRAYOGA™
Research to Transform Learning

Prayoga as a Scientific Research Partner

Driving Industry Innovation



Need for Industry to Invest in Research

Drive Innovation

- Product Creation
- Product and Process improvement
- Product Customization and Differentiation
- Creation of Intellectual Property

Manage Risks

- Reduce Risk of Product Failure
- Regulatory & Safety Compliance
- Quality Control

Sustain Growth

- Continuous Improvement
- Scalability
- Long-term growth

Build Brand Reputation

- Credibility & Trust
- Sustainability of products and processes

Innovation Barriers for Industries

Industry - Academic Gap

Limited Institutions open to Collaborations

Lengthy Bureaucratic Process with Research Institutions

Complex IPR Agreements

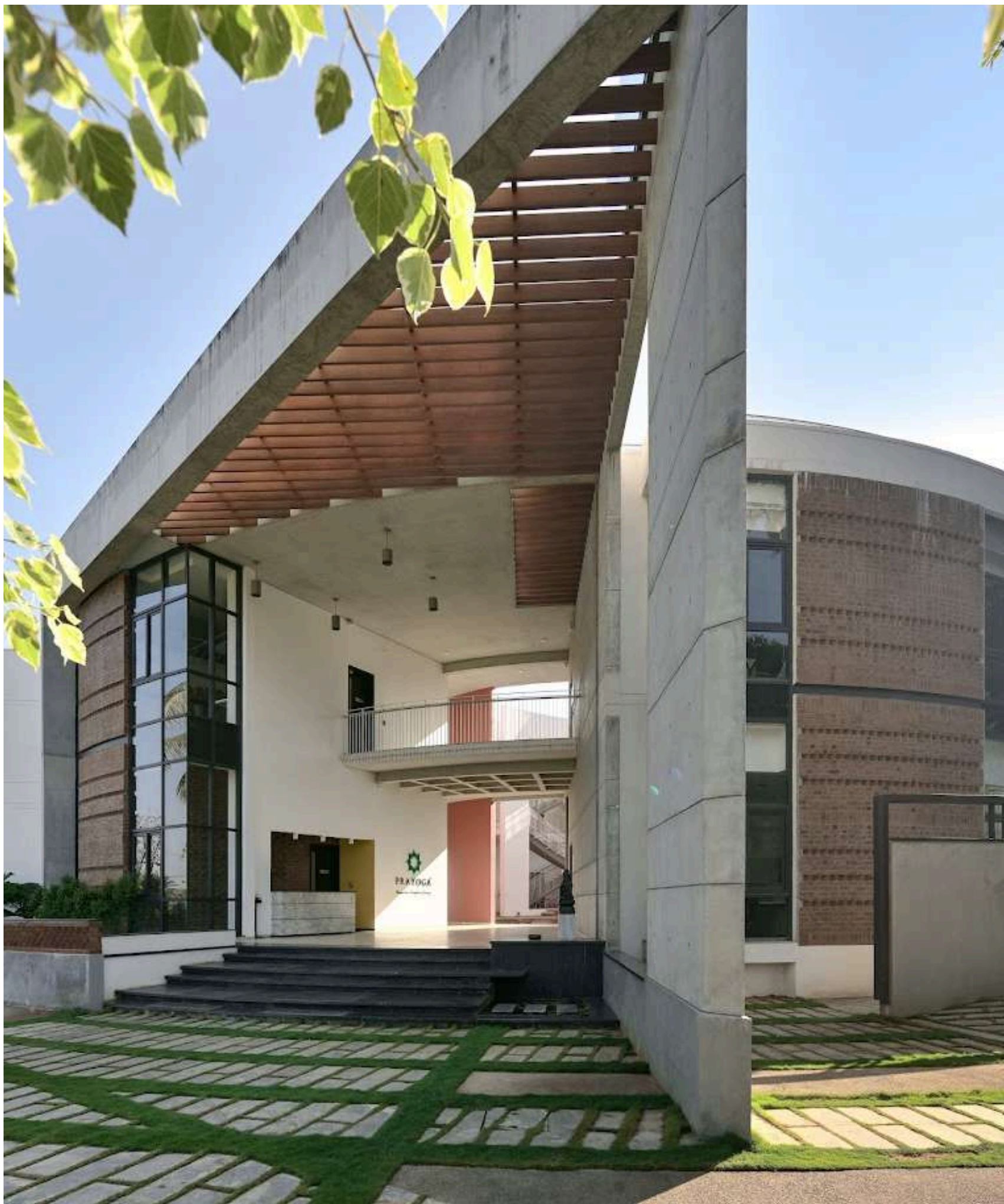
Holistic Approach for Sustainable Solutions

Maintaining Confidentiality

Finance

Access to Funding for Research

High Establishment and Maintenance Costs



Prayoga is a
reliable research partner,
committed to fostering
innovation and
sustainable growth.

About Prayoga



**Not-for-Profit Education Research
Institution established in 2015**

Prayoga stands at the intersection of
education and scientific research, driving
scientific innovation and reshaping
education for the nation

35 (1) (ii) ✓

FCRA ✓

80G ✓

CSR ✓



DSIR-recognized Institution

Prayoga's recognition as a **Scientific and Industrial Research Organization** by the DSIR, Government of India, underscores our commitment to advancing impactful research, enabling collaborations with

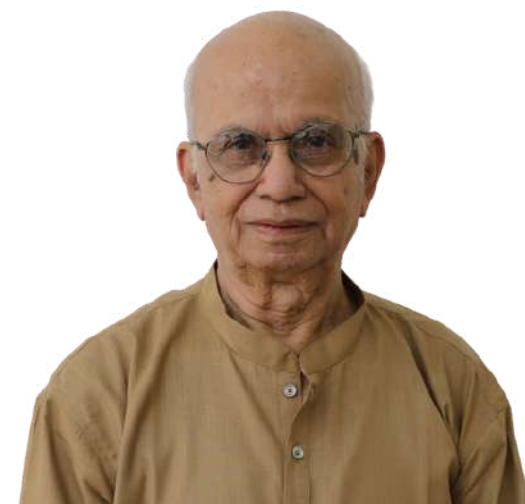


Section 35(1)(ii) Exemption

Prayoga's 35(1)(ii) exemption from the Income Tax Department of India enables a **100% tax deduction** on scientific research expenditure for partnering institutions.



Advisory Board



Dr P R Krishnaswamy

Former Chief of Pathology, Jaslok Hospital
Visiting Professor, Cornell University
Special invitee - Nobel Committee for
Physiology and Medicine, 1985
International Cancer Union Fellow



Prof P Balaram

Padma Bhushan
Former Director, IISc; Chaired
Professorship - National Centre for
Biological Sciences, R. Bruce Merrifield
Awardee



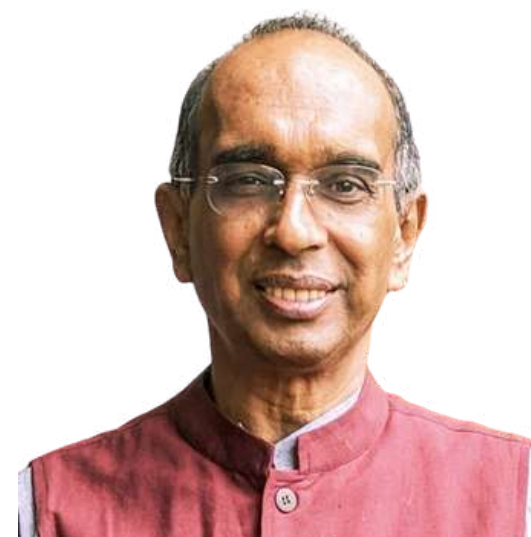
Prof T N Guru Row

Professor Emeritus, IISc
Renowned crystallographer
Prof Y.T. Thathachari
Prestigious Research Awardee



Dr M N Venkatachalaiah

Chairperson, Advisory Board
Padma Vibhushan
Former Chief Justice of India



Sri Balakrishna Adiga

Former Director, IBM



Dr S N Omkar

Chief Research Scientist, IISc
Honorary Professor
Vedic Wellness University



Prof Nagasuma Chandra

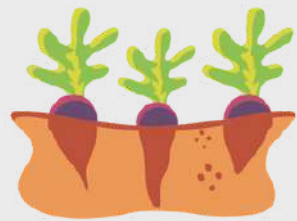
Professor, Biochemistry, IISc
Recipient of National Bioscience Award
for Career Development

Prof. U R Rao Research Block

State-of-the-art Research Facilities



Thematic Areas of Research



Food &
Agriculture



Advanced and
Functional
Materials



Wellness



Earth
Sciences



Green
Chemistry

Prayoga's research initiatives are focused on

Sustainability



Nature of Research at Prayoga

Fundamental Academic Research

- Exploring Core Scientific Concepts
- Multidisciplinary Approach

Application Research with Industry Collaborations

- Industry-Focused Research
- Customized Solutions for Industry Needs
- Technology Transfer
- Collaborative Problem Solving

Disruptive Innovation

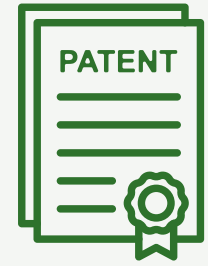
- Innovative Process Development
- Prototype and Product Development
- IPR Generation



Research Facilities



Research Output



2

Patents



4

Book Chapters



7

Student Research
Articles



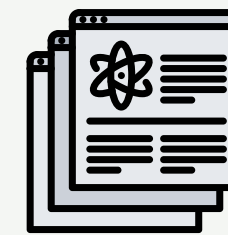
9

Magazine
Publications



21

Conference Proceedings
+ Poster Presentations



36

Research Article
Publications

Institutional Partners

**CSIR - Central Food
Technological Research
Institute (CFTRI)**



St. John's Research Institute



भारतीय विज्ञान संस्थान

IISc, Bengaluru



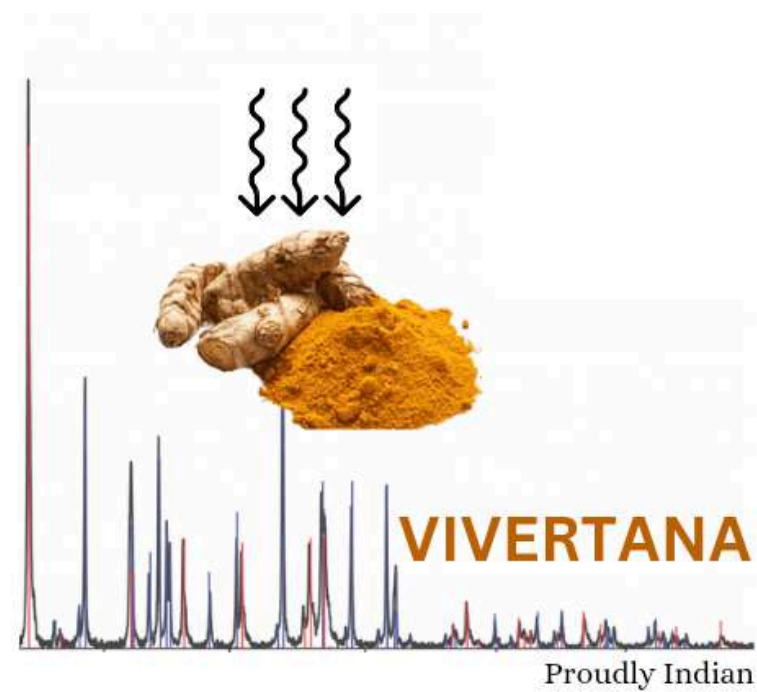
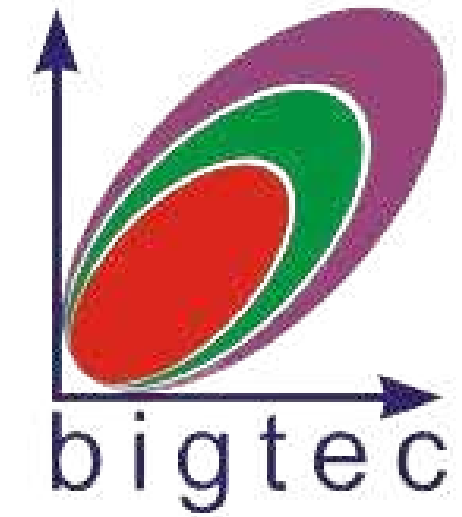
Central Ayurveda Research Institute



Samattvam

Industrial Partners

**Mercedes-Benz Research
and Development India**



Instrument/Equipment Partners

ThermoFisher
SCIENTIFIC

MERCK

IKA

Partner for Research

- Time-bound Independent Research Projects
- Collaborative Partnership



... and Research Facilities

- Access to a range of sophisticated instruments and expertise to analyse the samples.
- Method development and new product development.



Research Team



H S Nagaraja

Founder and Chief Mentor, Prayoga

Dr. Nagaraja is a physicist and a dedicated educationist, renowned for his leadership and efforts in creating impactful organizations and institutions.

Researchers

46



Dr. K S Nagabhushana

Director - Research

Dr. K S Nagabhushana, with 3 decades of research experience, excels in various fields of chemistry, nanotechnology, and food science, focusing on interdisciplinary integration.

PhD Scholars

14

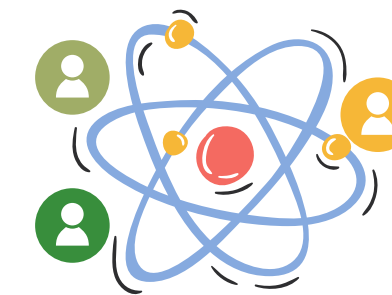
Prayoga Advantage

State-of-art
Scientific Facilities



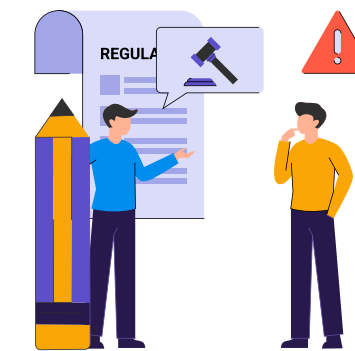
Competent Team of
Multidisciplinary
Researchers

Not-for-profit
Institution

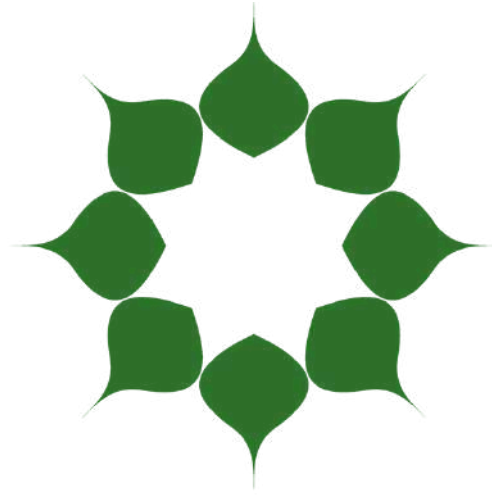


Extensive Research
Network

Professional
Engagement with clear
IP Arrangements



Non-bureaucratic
Processes and
Quick Decision-Making



PRAYOGA™
Research to Transform Learning

15 LIFE ON LAND

6 CLEAN WATER AND SANITATION

13 CLIMATE ACTION

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

4 QUALITY EDUCATION

11 SUSTAINABLE CITIES AND COMMUNITIES

3 GOOD HEALTH AND WELL-BEING

7 AFFORDABLE AND CLEAN ENERGY

17 PARTNERSHIPS FOR THE GOALS